

PA-IDC

QUERY CONTROL FORM		RTIS USE ONLY	
Application No. <u>10/031,251</u>	Prepared by <u>ML</u>	Tracking Number <u>05994343</u>	
Examiner-GAU <u>Jackson JR - 2815</u>	Date <u>9-11-04</u>	Week Date <u>8-9-04</u>	
	No. of queries <u>1</u>	<u>BLIFW</u>	

JACKET			
a. Serial No.	f. Foreign Priority	k. Print Claim(s)	p. PTO-1449
b. Applicant(s)	g. Disclaimer	l. Print Fig.	q. PTOL-85b
c. Continuing Data	h. Microfiche Appendix	m. Searched Column	r. Abstract
d. PCT	i. Title	n. PTO-270/328	s. Sheets/Figs
e. Domestic Priority	j. Claims Allowed	o. PTO-892	t. Other

SPECIFICATION	MESSAGE
a. Page Missing	<p>Original claims 46, 47, and 51 have improper dependencies. clm peds (5-21-04) please resolve.</p>
b. Text Continuity	
c. Holes through Data	
d. Other Missing Text	
e. Illegible Text	
f. Duplicate Text	
g. Brief Description	
h. Sequence Listing	
i. Appendix	
j. Amendments	
k. Other	
<b>CLAIMS</b>	
a. Claim(s) Missing	
<u>b. Improper Dependency</u>	
c. Duplicate Numbers	
d. Incorrect Numbering	
e. Index Disagrees	
f. Punctuation	
g. Amendments	
h. Bracketing	
i. Missing Text	
j. Duplicate Text	
k. Other	
	<p>RESPONSE</p> <p>claim 46 should depend on claim 45</p> <p>claim 47 should depend on claim 46</p> <p>claim 51 should depend on claim 50.</p> <p>See attachment &amp; examiner's amendment.</p>

Thank You  
initials ML

[Signature]  
initials

two bonding layers each attached to a respective active layer, and a heat sink layer interposed between the two bonding layers, the heat sink layer being operable to conduct heat away from the active layers.

45  
46. (New) A radiation source according to claim ~~46~~, in which the heat sink layer is composed of sapphire.

46  
47. (New) A radiation source according to claim ~~47~~, in which each bonding layer is composed of chalcogenic glass and the sapphire layer is sandwiched between the glass layers.

48. (New) A radiation source according to claim 30, in which the intermediary layer is made of polymer compounds and parafins or liquids.

49. (New) A radiation source according to claim 30, in which the intermediary layer is made of chalcogenic glass.

50. (New) A radiation source according to claim 30, in which the source has a coating in contact with an active layer or active layer cap, said coating reducing internal reflection losses.

50  
51. (New) a radiation source according to claim ~~51~~ in which the coating forms a Weierstrass sphere for forming a narrow far field pattern.